

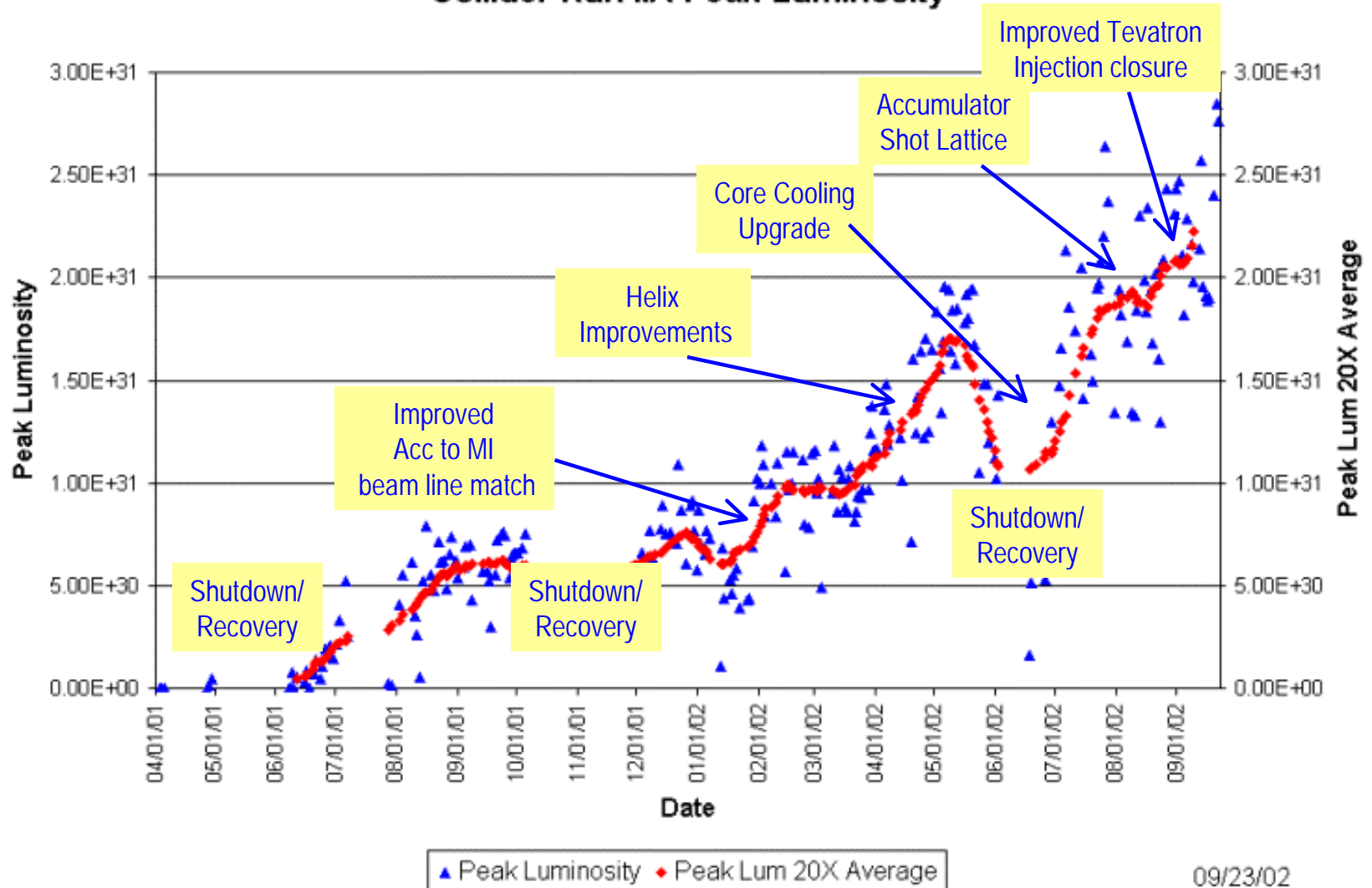


- Current peak Luminosity is $3.01 \times 10^{31} \text{ cm}^{-2}\text{s}^{-1}$
- Integrated Luminosity has reached $4.8 \text{ pb}^{-1}/\text{week}$
- The Tevatron Collider is operating at least as well as Run I peak performance
- Luminosity improvement has been slower than hoped for, but the slope is positive
- Injectors are providing the necessary beams for $L_0 = 6 \times 10^{31} \text{ cm}^{-2}\text{s}^{-1}$
- Much effort has already spent to achieve current level of performance
- Tevatron major issues are
 - Injection aperture and lifetime
 - Beam-beam effects
 - Instabilities
- Identification and mitigation of luminosity impediments continues

Performance – Peak Luminosity

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Collider Run IIA Peak Luminosity



09/23/02

Performance – Integrated Luminosity

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